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UD 片式铝电解电容
UD Chip Type Aluminum Electrolytic Capacitors

产品特点 Features

- 产品直径 Case diameter Φ6.3mm □ Φ12.5mm
- 适用于再回流焊 Refiow soldering is available
- 适用于高密度表面组装 Available for hight densify surface mounting
- 长寿命105℃ 6000小时标准品 Life time 105℃ 6000hrs standard product
- 性能稳定，可靠性高 High stability and reliability
- ROHS指令已对应完毕 Adapted to the RoHS directive

主要技术性能 Specification

项目 Item	特性 Performance Characteristics
使用温度范围 Operating temperature range	-45℃□ +105℃
额定电压范围 Rated voltage range	160□450V.DC
标称电容量范围 Nominal capacitance range	1μ F□22μ F
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20°C)
漏电流 Leakage current	I=0.04CV(μ A)+100(μ A)after 2 minutes I=Leakage Current(μ A) C=Nominal Capacitance(μ F) V=Rated Voltage(V) ,
损耗角正切值（tg δ） Dissipation factor (+20℃, 120Hz)	U_R (V) | 160□200 | 250□400 | 450 tg δ | 0.20 | 0.25 | 0.30
温度特性Temperature characteristics (Impedance ratio at 120Hz)	Roted Voltage(V) | 160□200 | 250□400 | 450 Z-25℃/Z+20℃ | 6 | 10 | 12 Z-55℃/Z+20℃ | | |
耐久性 Load life	在105℃环境中，连续施加额定电压6000小时，常温恢复16小时，电容器满足以下要求: In 105℃ degrees Celsius environment,continuous application of rated voltage for 6000 hours,After 16 hours was mseasured at room temperature,the capacitors shall meet the following requirements: Capacitance Change: ± 30%初始值以内 Within ± 30% of the initial value Dissipation Factor : ≤ 300%初始值以内 Not more than 300% of the specified value Leakage Current : ≤ 300%初始值以内 Within 300% of inital specified value
高温贮存 Shelf life	105℃贮存1000小时后，放置16小时，电容器应满足以下要求: After storage for 1000hrs at 105℃,then resumed 16 hours,the capacitors shall meet the following requirements: Capacitance Change: ± 30%初始值以内 Within ± 30% of the initial value Dissipation Factor : ≤ 300%初始值以内 Not more than 300% of the specified value Leakage Current : ≤ 300%初始值以内 Within 300% of inital specified value

外形图及尺寸图 Case size table

Fig. 1 (Φ6.3~Φ10)

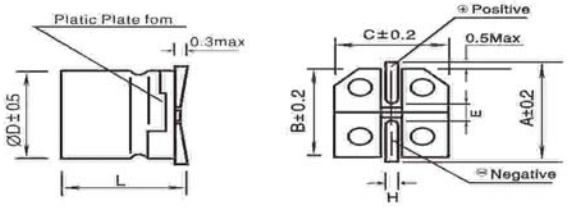
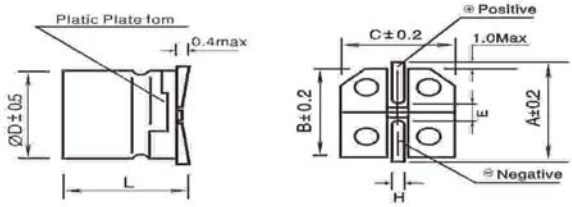


Fig. 2 (≥Φ12.5)



V-Chip

ΦD	L	A	B	C	E	H	Fig.No.
6.3	10.2± 0.3	7.2	6.6	6.6	2.1	0.5□0.9	1
8	10.2± 0.5	9.1	8.3	8.3	3.1	0.8□1.1	1
8	12.5± 0.5	9.1	8.3	8.3	3.1	0.8□1.1	1
10	12.5± 0.5	11.1	10.3	10.3	4.5	0.8□1.1	1
10	12.5± 0.5	11.1	10.3	10.3	4.5	0.8□1.1	1
12.5	12.5± 0.5	13.7	13.0	13.0	4.4	1.0□1.4	2

■ 尺寸 Dimensions

WV	160			200			250			400			450		
μ F壳号	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA
1							6.3× 10.2	0.25	10	6.3× 10.2	0.25	9	8× 10.2	0.30	15
1.5							6.3× 10.2	0.25	14	6.3× 10.2	0.25	11	8× 10.2	0.30	18
2.2							6.3× 10.2	0.25	16	6.3× 10.2	0.25	13	8× 10.2	0.30	20
										8× 10.2	0.25	15			
3.3							6.3× 10.2	0.25	18	8× 10.2	0.25	20	10× 10.2	0.30	25
							8× 10.2	0.25	21						
4.7				8× 10.2	0.20	25	8× 10.2	0.25	26	8× 12.5	0.25	33	10× 12.5	0.30	39
										10× 12.5	0.25	35			
5.6				8× 10.2	0.20	27	8× 10.2	0.25	28	10× 12.5	0.25	43	10× 12.5	0.30	48
6.8	6.3× 10.2	0.20	26	8× 10.2	0.20	30	10× 10.2	0.25	34	10× 12.5	0.25	48	10×12.5	0.30	53
	8× 10.2	0.20	30												
8.2	8× 10.2	0.20	35	8× 10.2	0.20	30	10× 10.2	0.25	37	12.5× 13.5	0.25	62			
10	8× 10.2	0.20	43	10× 10.2	0.20	40	10× 10.2	0.25	45	12.5× 13.5	0.25	69			
	10× 10.2	0.20	50												
12	10× 10.2	0.20	53	10× 10.2	0.20	45	10× 10.2	0.25	50						
15	10× 10.2	0.20	55	10× 10.2	0.20	58	10× 10.2	0.25	67						
22	10× 12.5	0.20	63												

•尺寸∅D×L(mm)，纹波电流(mA rms)於 105°C 120Hz

■ 纹波电流补正系数 Multiplier For Ripple Current

频率 Frequency	120HZ	1KHZ	10KHZ	100KHZ
系数 Coefficient	1.00	1.25	1.40	1.60

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